

Status of Federal Fleet AFV Acquisitions and Executive Order 13149

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Topics



- **Federal AFV Legislation and Mandates**
 - ◆ **Energy Policy Act of 1992 (EPAct)**
 - ◆ **Energy Conservation and Reauthorization Act of 1998 (ECRA)**
 - ◆ **Executive Order 13149**
- **Federal Fleet Status**
- **Infrastructure Partnering and Resources**



Energy Policy Act of 1992 (Epact)



- Goal of Achieving Petroleum Reduction and Energy Security through Acquisition of AFVs
- 75% of New Acquisitions in Covered Federal Fleets Must Be AFVs
- Light Duty Vehicles Only – Less Than 8,500 lb GVWR
- **NO REQUIREMENT FOR ALTERNATIVE FUEL USE**



Energy Conservation and Reauthorization Act of 1998 (ECRA)



■ ECRA Amended EPA Act

- ◆ Required Annual AFV Reporting to Congress by Federal Agencies Starting in FY 1999
- ◆ Provided for Biodiesel Fuel Use Credits



Executive Order 13149



■ Goals and requirements:

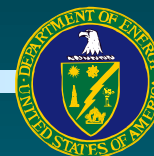
- ◆ 20% petroleum reduction in covered federal fleets in FY 2005 compared to FY 1999 baseline
- ◆ Use of alternative fuel majority of time in AFVs by FY 2005
- ◆ Increased average fuel economy of new light duty vehicle acquisitions

■ Agencies must report compliance on-line to DOE

- ◆ Senior-level official in each agency responsible for compliance



Federal Fleet Exemptions: Epact Vs. E.O. 13149



Exemptions	EPAct	E.O. 13149
Geographic	Fleets Operating Outside of MSAs with 1980 Populations of 250K+	Fleets located outside of the U.S.
Fleet Size	Fleets Operating < 20 vehicles in a Covered MSA	Agencies Operating < 20 Vehicles Nationwide
Vehicle Type	Vehicles Used for Law Enforcement, Emergency, and Tactical Purposes as well as Non-road Vehicles	Vehicles Used for Law Enforcement, Emergency, and Tactical Purposes as well as Non-road Vehicles



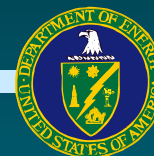
Federal Fleet Status



- Over 55,000 AFVs in federal inventory in FY 2000
- Federal fleet displacing 1.8M gasoline gallon equivalent (GGE) with alternative fuels in FY 2000
- New federal fleet on-line reporting system (FAST) tracks AFVs by vehicle model and fuel type
- FAST provides ability to identify federal AFV activities nationwide



Federal Alternative Fuel Consumption – FY2000 (GGE)



■ CNG	860,566
■ E-85	346,316
■ Biodiesel (B-100)	113,760
■ LPG	33,838
■ M-85	13,993
■ Electric	1,448
■ TOTAL	1,369,921



The Opportunity



Partnerships between federal, state, private, and local clean cities stakeholders will help develop infrastructure and coordinate alternative fuel use goals and objectives



Infrastructure Partnership Opportunities



- Numbers of federal AFVs increasing
- Growth in alternative fuel infrastructure needed to meet federal demand
- Opportunity for partnerships with fuel providers and other fleets
 - ◆ Los Alamos national laboratory – negotiated with local fuel provider to establish public E85 station near fleet
 - ◆ USPS Dallas – local natural gas supplier built multiple CNG stations under guaranteed fuel supply agreement
- Federal fleet AFV selections more closely match available infrastructure which supports the AFV “community” concept



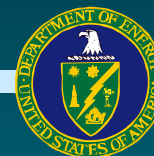
Infrastructure in AFV USER Cities



- DOE Grants Made to Six Cities in AFV USER Program
 - ◆ E85, CNG, LPG
 - ◆ \$600K Over Last Two Years
- Alternative Fuel Refueling Locations Nationwide, are Available on the DOE Web Site www.afdc.doe.gov



Infrastructure Contacts



■ National Ethanol Vehicle Coalition

(877) 485-8595 www.e85fuel.com

■ Natural Gas Vehicle Coalition

(703) 527-3022 www.ngvc.org

■ National Biodiesel Board

(800) 841-5849 www.biodiesel.org

■ Propane Education & Research Council

(202) 452-8975 www.propanecouncil.org



Summary



- **Federal Fleets are Required to Acquire AFVs and to Use Alternative Fuels**
- **Refueling Infrastructure Anticipated to Keep Pace with Federal Alternative Fuel Demands**
- **Significant Numbers of Federal AFV Fleets Located in Clean Cities**
- **Clean Cities Partnering Opportunities Exist with Federal Fleets**